

GOVERNMENT LABOR ESTIMATE

(Position Descriptions on separate tab)

LINE ITEM 02**BASE PERIOD (23 months)****NOTES:**

1. This information is not a reflection of the Government's intent for the future nor an endorsement of past practice.
2. The distribution of positions is the Government's current best estimate to perform the anticipated requirements.
3. This Estimate does not include non-task specific direct charge personnel such as Managers, Accountants, Human Resources, Safety Specialists, and Secretaries.
4. Labor hours do not include holiday, vacation, or sick leave hours.

Fair Labor Standards Act (FLSA) Status	Labor Category	Labor Hours
Exempt	Administrative Professional	3488
Exempt	Computer Systems Technician, Senior	6977
Exempt	Controls Engineer, Senior	13953
Exempt	Data System / Computer Engineer	6977
Exempt	Data System Technician, Senior	3488
Exempt	Drafter / CAD Operator	3488
Exempt	Electrical Engineer	3488
Exempt	Electrical Engineer, Senior	6977
Exempt	Mechanical Engineer	17442
Exempt	Mechanical Engineer, Senior	31395
Exempt	Safety Engineer	6977
Exempt	Supervisor, Ballistic Range	3488
Exempt	Supervisor, Craft	6977
Exempt	Supervisor, Instrumentation	3488
Exempt	Supervisor, Steam Vacuum System	3488
Exempt	Systems Programmer	3488
Exempt	Systems Programmer, Senior	3488
Exempt	Technical Specialist, HPAS	6977
Exempt	Test Engineer, Aerospace	6977
Non- Exempt	Computer Programmer IV	3488
Non- Exempt	Computer Systems Analyst II	3488
Non- Exempt	Computer Systems Analyst III	6977
Non- Exempt	Drafter / CAD Operator I	3488
Non- Exempt	Engineering Technician I	3488
Non- Exempt	Engineering Technician II	10465
Non- Exempt	Engineering Technician III	3488
Non- Exempt	Engineering Technician IV	13953
Non- Exempt	Engineering Technician V	13953
Non- Exempt	Supply Technician	3488

Collective Bargaining Agreement (CBA)		
CBA	Electrician	13953
CBA	Electrician, Lead	10503
CBA	Engineering Technician	6977
CBA	Instrumentation Technician	6977
CBA	Instrumentation Technician, Lead	6977
CBA	Mechanic	27907
CBA	Mechanic, Lead	17442
CBA	Operating Engineer	24418
CBA	Operating Engineer, Lead	6977

GOVERNMENT LABOR ESTIMATE PER OPTION YEAR

(Position Descriptions on separate tab)

**LINE ITEMS 04, 05, and 06
OPTION PERIODS (12 months each)****NOTES:**

1. This information is not a reflection of the Government's intent for the future nor an endorsement of past practice.
2. The distribution of positions is the Government's current best estimate to perform the anticipated requirements.
3. This Estimate does not include non-task specific direct charge personnel such as Managers, Accountants, Human Resources, Safety Specialists, and Secretaries.
4. Labor hours do not include holiday, vacation, or sick leave hours.

Fair Labor Standards Act (FLSA) Status	Labor Category	Labor Hours
Exempt	Administrative Professional	1820
Exempt	Computer Systems Technician, Senior	3640
Exempt	Controls Engineer, Senior	7280
Exempt	Data System / Computer Engineer	3640
Exempt	Data System Technician, Senior	1820
Exempt	Drafter / CAD Operator	1820
Exempt	Electrical Engineer	1820
Exempt	Electrical Engineer, Senior	3640
Exempt	Mechanical Engineer	9100
Exempt	Mechanical Engineer, Senior	16380
Exempt	Safety Engineer	3640
Exempt	Supervisor, Ballistic Range	1820
Exempt	Supervisor, Craft	3640
Exempt	Supervisor, Instrumentation	1820
Exempt	Supervisor, Steam Vacuum System	1820
Exempt	Systems Programmer	1820
Exempt	Systems Programmer, Senior	1820
Exempt	Technical Specialist, HPAS	3640
Exempt	Test Engineer, Aerospace	3640
Non- Exempt	Computer Programmer IV	1820
Non- Exempt	Computer Systems Analyst II	1820
Non- Exempt	Computer Systems Analyst III	3640
Non- Exempt	Drafter / CAD Operator I	1820
Non- Exempt	Engineering Technician I	1820
Non- Exempt	Engineering Technician II	5460
Non- Exempt	Engineering Technician III	1820
Non- Exempt	Engineering Technician IV	7280
Non- Exempt	Engineering Technician V	7280
Non- Exempt	Supply Technician	1820

Collective Bargaining Agreement (CBA)		
CBA	Electrician	7280
CBA	Electrician, Lead	5480
CBA	Engineering Technician	3640
CBA	Instrumentation Technician	3640
CBA	Instrumentation Technician, Lead	3640
CBA	Mechanic	14560
CBA	Mechanic, Lead	9100
CBA	Operating Engineer	12740
CBA	Operating Engineer, Lead	3640

	Labor Categories	Responsibilities/ Level of Supervision
Exempt	Administrative Professional	Responsible for a wide variety of clerical duties and tasks. May include data entry, filing, configuration management, property management, tool crib attendance or other technical support role. Typically receives supervision from functional manager.
Exempt	Computer Systems Technician, Senior	Responsible for the administration, and operation of facility test data computer systems. Performs startup, monitors data system collection during tests, and performs trouble shooting as needed. Performs test data reduction, transmittal and archival of aerospace testing results. Writes software codes for routine scripts and may perform other programming or design tasks depending on capability. Works as a member of test or project teams. Will typically have direct interaction with research customers, Computer Engineers, System and Application Programmers, other Computer System Technicians, and/or test/project, facility, or functional managers. May lead Computer System Technicians, and provide technical direction or assignments. Typically receives supervision from functional manager.
Exempt	Controls Engineer, Senior	Responsible for troubleshooting, and maintaining existing facility electro-mechanical control systems. Upgrades, designs and develops new control systems based on research test requirements. Depending on capabilities, may be assigned project management responsibilities. Works as a member of test, project and/or maintenance teams to provide controls/electrical engineering support. May have direct interaction with research customers, other engineers, and/or test/project, facility, or functional managers.
Exempt	Data System / Computer Engineer	Responsible for the study, design, implementation, and/or project management of a wide variety of computer systems for both facilities and test related apparatus. This includes Data Acquisition Systems and their associated Hardware and Software. Works as a member of test, project and/or maintenance teams to provide instrumentation engineering support. May have direct interaction with research customers, other engineers, programmers, and/or test/project, facility, or functional managers. May lead Data System Technicians and provide technical direction or assignments. Typically receives supervision from Senior Engineer or functional manager.
Exempt	Data System Technician, Senior	Responsible for the administration, installation, modification, troubleshooting, maintenance, and repair of a wide variety of facilities, test related, and personal computing systems. Performs tasks on both Hardware and Software aspects of the computer systems. Works as a member of test, project, maintenance or other support teams to provide hardware and software support. May perform some design activities depending on assignment or capabilities. Will typically have direct interaction with computer system users, Computer Engineers, System and Application Programmers, and/or test/project, facility, or functional managers. Trains computer system users on use of systems. May lead other Data System Technicians, and provide technical direction or assignments. Typically receives supervision from Programmers, Computer Engineers, or functional manager.
Exempt	Drafter / CAD Operator	Responsible for producing design and as-built drawings and other documentation relating to facility and test apparatus systems. Works closely with design engineers of various disciplines to produce drawings from instructions, sketches, red-lined drawings, and/or electronic media. May also be responsible for Configuration Management activities and other clerical activities when required. Typically receives supervision from engineer or functional manager.
Exempt	Electrical Engineer	Responsible for the study, design, implementation, and/or project management of electrical systems for both facilities and test related apparatus. Depending on capabilities, may be assigned project management responsibilities. Works as a member of test, project and/or maintenance teams to provide electrical engineering support. May have direct interaction with research customers, other engineers, and/or test/project, facility, or functional managers. May lead electricians and provide technical direction or assignments. Typically receives supervision from Senior Engineer or functional manager.
Exempt	Electrical Engineer, Senior	Responsible for the study, design, implementation, and/or project management of a wide variety of electrical systems for both facilities and test related apparatus. May be assigned as project manager for complex or multi-discipline projects. Works as a member of test, project and/or maintenance teams to provide electrical engineering expertise. Will typically have direct interaction with research customers, other engineering leads, and/or test/project, facility, or functional managers. May lead other electrical engineers and electricians and provide technical direction or assignments. Typically receives supervision from functional manager.

Labor Categories	Education / Work Experience
Administrative Professional	Typically possesses a BA or BS in the appropriate discipline plus one(1) or two (2) years of appropriate and progressive experience. Additional relevant education may be substituted for progressive experience.
Computer Systems Technician, Senior	Typically possesses an A.A./A.S. in Computer Science, Electronics or related vocational program with 5 or more years of related experience with computer system operation. Additional years of related experience may count as educational equivalency.
Controls Engineer, Senior	Typically possesses a BS or higher degree in Controls Engineering or related field (e.g. Electrical, Controls, Electronics, Electro-mechanical) with 5 or more years of related experience. Additional years of related experience may count as educational equivalency. Will typically have some specialized knowledge/experience of controls engineering.
Data System / Computer Engineer	Typically possesses a BS or higher degree in Computer, Electrical or related engineering discipline with entry level to 5 or more years of related experience with computer systems. Additional years of related experience may count as educational equivalency. May have some specialized knowledge/experience of one or more aspects related to Data Systems / Computer Engineering.
Data System Technician, Senior	Typically possesses an A.A./A.S. in Computer Science, Electronics or related vocational program with 5 or more years of related experience with computer systems. Additional years of related experience may count as educational equivalency.
Drafter / CAD Operator	Typically possesses an A.A./A.S. in Computer Aided Drafting or related vocational program with entry level to 3 or more years of related experience. Proficient in CAD and drafting techniques. Additional years of related experience may count as educational equivalency.
Electrical Engineer	Typically possesses a BS or higher degree in Electrical Engineering, or related discipline, with entry level to 5 or more years of related experience. Additional years of related experience may count as educational equivalency. May have some specialized knowledge/experience of one or more aspects of Electrical Engineering such as power systems, circuits, controls, maintenance, etc.
Electrical Engineer, Senior	Typically possesses a BS or higher degree in Electrical Engineering, or related discipline, with 5 or more years of related experience. Additional years of related experience may count as educational equivalency. Will typically have specialized knowledge/experience of one or more aspects of Electrical Engineering such as power systems, circuits, controls, maintenance, etc. May also possess registration as an Electrical Engineer depending on the nature of the assignment.

	Labor Categories	Responsibilities/ Level of Supervision
Exempt	Mechanical Engineer	Responsible for the study, design, implementation, and/or project management of mechanical systems for both facilities and test related apparatus. Depending on capabilities, may be assigned project management responsibilities. Works as a member of test, project and/or maintenance teams to provide mechanical engineering support. May have direct interaction with research customers, other engineers, and/or test/project, facility, or functional managers. May lead machinists and provide technical direction or assignments. Typically receives supervision from Senior Engineer or functional manager.
Exempt	Mechanical Engineer, Senior	Responsible for the study, design, implementation, and/or project management of a wide variety of mechanical systems for both facilities and test related apparatus. May be assigned as project manager for complex or multi-discipline projects. Works as a member of test, project and/or maintenance teams to provide mechanical engineering expertise. Will typically have direct interaction with research customers, other engineering leads, and/or test/project, facility, or functional managers. May lead other mechanical engineers and machinists and provide technical direction or assignments. Typically receives supervision from functional manager.
Exempt	Safety Engineer	Responsible for the study, analysis and recommendation of risk mitigation for aerospace testing and development projects. Works as a member of test, project and/or maintenance teams to provide system safety engineering support. Responsible for performing Operational Hazard Analysis, Failure Mode Effect Analysis (FMEA) and other formal risk analysis techniques. Recommends improvements to facility systems and test apparatus to increase safety and reliability. May lead Industrial Safety Engineers, and/or staff and provide technical direction or assignments. Typically receives supervision from Senior Engineer or functional manager.
Exempt	Supervisor, Ballistic Range	To provide supervisory guidance to personnel engaged in a specialized technical support function of the company, and to serve as technical specialist in the field. Serves as focal point for work requests of the group; plans, organizes, and coordinates the activities of personnel engaged in a specific technical support function involving equipment operations or maintenance. Controls and reviews work to assure timeliness and accuracy of responsible functions. Establishes and maintains schedules for the group to be consistent with budgetary and time constraints with emphasis on safety of operations. Assists employees with problem resolution; counsel employees and commends, or reprimands as appropriate; conducts performance evaluation interviews; seeks interpretation of company. Limited general supervisory guidance received from next level of supervision; works under established policies and procedures.
Exempt	Supervisor, Craft	To provide supervisory guidance to skilled craft. Serves as focal point for work requests of the group; plans, organizes, and coordinates the activities of personnel engaged in equipment operations or maintenance. Controls and reviews work to assure timeliness and accuracy of responsible functions. Establishes and maintains schedules for the group to be consistent with budgetary and time constraints with emphasis on safety of operations. Assists employees with problem resolution; counsel employees and commends, or reprimands as appropriate; conducts performance evaluation interviews; seeks interpretation of company policies as required and informs employees; enforces safety regulations; assures compliance with and actively supports EEO/AA programs. Develops innovative approaches to non-routine, nonrecurring work requests, based on acquired expertise and knowledge or organization philosophy and personnel capabilities.
Exempt	Supervisor, Instrumentation	To provide supervisory guidance to skilled craft or multiple administrative function personnel. Serves as focal point for work requests of the group; plans, organizes, and coordinates the activities of personnel engaged in equipment operations or maintenance. Controls and reviews work to assure timeliness and accuracy of responsible functions. Establishes and maintains schedules for the group to be consistent with budgetary and time constraints with emphasis on safety of operations. Assists employees with problem resolution; counsel employees and commends, or reprimands as appropriate; conducts performance evaluation interviews; seeks interpretation of company policies as required and informs employees; enforces safety regulations; assures compliance with and actively supports EEO/AA programs. Develops innovative approaches to non-routine, nonrecurring work requests, based on acquired expertise and knowledge or organization philosophy and personnel capabilities.

Labor Categories	Education / Work Experience
Mechanical Engineer	Typically possesses a BS or higher degree in Mechanical Engineering, or related discipline, with entry level to 5 or more years of related experience. Additional years of related experience may count as educational equivalency. May have some specialized knowledge of one or more aspects of Mechanical Engineering such as machine design, thermodynamics, controls, maintenance, etc.
Mechanical Engineer, Senior	Typically possesses a BS or higher degree in Mechanical Engineering, or related discipline, with 5 or more years of related experience. Additional years of related experience may count as educational equivalency. Will typically have specialized knowledge/experience of one or more aspects of Mechanical Engineering such as machine design, thermodynamics, controls, maintenance, etc. May also possess registration as an Mechanical Engineer depending on the nature of the assignment.
Safety Engineer	Typically possesses a BS or higher degree in Safety Engineering or other related engineering discipline with entry level to 5 or more years of related experience. Additional years of related experience may count as educational equivalency. May have some specialized knowledge/experience of one or more aspects related to System Safety Engineering.
Supervisor, Ballistic Range	Typically possesses a minimum of two (2) years college or vocational training in area of specialty plus fourteen (14) years relevant experience, or any equivalent combination of education/experience for a total of sixteen (16) years.
Supervisor, Craft	Typically possesses a minimum of two (2) years college or vocational training in area of specialty plus twelve (12) years relevant experience, or any equivalent combination of education/experience for a total of fourteen (14) years.
Supervisor, Instrumentation	Typically possesses a minimum of two (2) years college or vocational training in area of specialty plus twelve (12) years relevant experience, or any equivalent combination of education/experience for a total of fourteen (14) years.

	Labor Categories	Responsibilities/ Level of Supervision
Exempt	Supervisor, Steam Vacuum System	To provide supervisory guidance to personnel engaged in a specialized technical support function of the company, and to serve as technical specialist in the field. Serves as focal point for work requests of the group; plans, organizes, and coordinates the activities of personnel engaged in a specific technical support function involving equipment operations or maintenance. Controls and reviews work to assure timeliness and accuracy of responsible functions. Establishes and maintains schedules for the group to be consistent with budgetary and time constraints with emphasis on safety of operations. Assists employees with problem resolution; counsel employees and commends, or reprimands as appropriate; conducts performance evaluation interviews; seeks interpretation of company. Limited general supervisory guidance received from next level of supervision; works under established policies and procedures.
Exempt	Systems Programmer	Responsible for the study, design, implementation, and/or project management of a wide variety of system software programs for both facilities and test related apparatus. Provides operating system programming for Data Acquisition Systems. Works as a member of test, project and/or maintenance teams to provide system programming support. Will typically have direct interaction with engineers, other system and application programmers, computer system operators, and/or test/project, facility, or functional managers. May lead Data System Technicians, and provide technical direction or assignments. Typically receives supervision from Senior Programmer or functional manager.
Exempt	Systems Programmer, Senior	Responsible for the study, design, implementation, and/or project management of a wide variety of system software programs for both facilities and test related apparatus. Provides operating system programming for Data Acquisition Systems. Works as a member of test, project and/or maintenance teams to provide system programming expertise. Will typically have direct interaction with engineers, other system and application programmers, computer system operators, and/or test/project, facility, or functional managers. May lead other System Programmers and Data System Technicians, and provide technical direction or assignments. Typically receives supervision from functional manager.
Exempt	Technical Specialist, HPAS	Provides technical guidance to personnel engaged in a specialized support function of the company, and serves a technical specialist in the field. Serves as focal point for work requests of the group; plans organizes, and coordinates the activities of personnel engaged in equipment operations or maintenance. Provides project management and specific support facility expertise, controls and reviews work to assure timeliness and accuracy of responsible function. Establishes and maintains schedule for the group to be consistent with budgetary and time constraints with emphasis on safety operations. Assists employees with problem resolution; coaches and as required counsels employees; assures compliance with and activity supports EEO/ AA programs. General supervisory guidance received from next level of management.
Exempt	Test Engineer, Aerospace	Responsible for test management and engineering activities. Integrates and refines requirements from test customer, test facility and others related to conducting aerospace tests. Acts as focal point for test team and works with other engineering disciplines to facilitate completion of all testing phase related requirements. May support Test Manager for multi-shift testing programs. Leads test facility Operating Engineers and may provide technical direction or assignments. Typically receives supervision from Senior Engineer or functional manager.
Non-Exempt	Computer Programmer IV	Performs programming services, as needed, for test customers. Applies expertise in programming procedures to complex programs; recommends the redesign of programs. Plans the full range of programming actions to produce several interrelated but different products from numerous and diverse data elements that are usually from different sources. Develops programs for the solution to major scientific computational problems requiring the analysis and development of logical or mathematical descriptions of functions to be programmed. Develops occasional special programs, e.g., critical path analysis program to assist in managing a special project. Tests, documents, writes operator instructions for all work. Progress and unusual complications are monitored by supervisor.

Labor Categories	Education / Work Experience
Supervisor, Steam Vacuum System	Typically possesses a minimum of two (2) years college or vocational training in area of specialty plus fourteen (14) years relevant experience, or any equivalent combination of education/experience for a total of sixteen (16) years.
Systems Programmer	Typically possesses a BS or higher degree in Computer Science, Mathematics, or engineering discipline with entry level to 5 or more years of related experience with programming operating systems. Additional years of related experience may count as educational equivalency.
Systems Programmer, Senior	Typically possesses a BS or higher degree in Computer Science, Mathematics, or engineering discipline with 5 or more years of related experience with programming operating systems. Additional years of related experience may count as educational equivalency.
Technical Specialist, HPAS	Typically possesses a minimum of two (2) years college or vocational training in area of specialty plus twelve (12) years relevant experience, or any equivalent combination of education! experience for total of fourteen (14) years.
Test Engineer, Aerospace	Typically possesses a BS or higher degree in Aeronautics, Aeronautical Engineering, MS Mechanical Engineering, or related discipline with entry level to 5 or more years of related experience in aerospace testing. Additional years of related experience may count as educational equivalency.
Computer Programmer IV	Typically possesses two (2) years of college in a computer field and ten (10) years of progressive programming experience. Additional relevant education may be substituted for a portion of the experience requirements.

	Labor Categories	Responsibilities/ Level of Supervision
Non-Exempt	Computer Systems Analyst II	Performs routine tasks dealing with various types of technical systems and serving as an interface, as required, between the testing organization and their test customers. May build and/or debug hardware and software to correct problems using basic problem solving skills. Assists in the development of systems documentation and operation procedures. Provides diagnostic support to correct processing anomalies. Tests and installs connections. Installs new computer equipment including hardware and software. Performs clerical functions associated with data and documentation management. Works under the direction and supervision of experienced system analysts; new aspects of work are closely supervised.
Non-Exempt	Computer Systems Analyst III	Performs routine tasks dealing with various types of technical systems and serving as an interface, as required, between the testing organization and their test customers. Builds and/or debugs hardware and software to correct problems using basic problem solving skills. Assists in the development of systems documentation and operation procedures. Provides diagnostic support to correct processing anomalies. Tests and installs connections. Performs and provides server and workstation expertise; includes on-site travel. Orders replacement or new hardware and software including warranty claims. Performs clerical functions associated with data and documentation management. Works under the direction and supervision of experienced system analysts; new aspects of work are closely supervised.
Non-Exempt	Drafter / CAD Operator I	Performs drafting work requiring knowledge and skill in drafting methods, procedures and techniques. Prepares drawings of simple, easily visualized parts of equipment from sketches or marked-up prints. Selects for use appropriate templates and other equipment needed to complete assignments. Drawings fit familiar patterns and present few technical problems. Supervisor provides detailed instructions on new assignments, gives guidance when questions arise, and reviews completed work for accuracy.
Non-Exempt	Engineering Technician I	Performs simple routine tasks in a training capacity to support engineering personnel. Assembles or installs equipment or parts requiring simple wiring, soldering, or connecting. Performs simple or routine tasks or test such as tensile or hardness tests; operates and adjusts simple test equipment; records test data. Gathers and maintains specified records of engineering data such as tests, drawings, etc.; performs computations by substituting numbers in specified formulas; plots data and draws simple curves and graphs. Works under close supervision or from detailed procedures. Work is checked in progress or on completion.
Non-Exempt	Engineering Technician II	Typically possesses the ability to understand basic engineering terminology. College courses in engineering, mathematics, or science desirable. Provides assistance to engineering personnel with standardized or prescribed assignments involving a sequence of related operations. Assembles or constructs simple or standard equipment or parts; may service or repair simple instruments or equipment. Conducts a variety of test using established methods. Prepares test specimens, adjusts and operates equipment and records test data, pointing out deviation resulting from equipment malfunction or observational errors. Extracts engineering data from various prescribed but non-standardized sources; processes the data following well-defined methods including elementary algebra and geometry; presents the data in prescribed form. Follows standard work methods on recurring assignments but receive instructions on unfamiliar assignments.
Non-Exempt	Engineering Technician III	Constructs components, subunits, or simple models or adapts standard equipment. May troubleshoot and correct malfunctions. Follows specific layout and scientific diagrams to construct and package simple devices and subunits of equipment. Conducts various test or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurements; selects, sets up, and operates standard test equipment and records test data. Extracts and compiles a variety of engineering data from field notes, manual, lab reports, etc., processes data, identifying errors of inconsistencies; selects methods of data presentation. Assists in design modification by compiling data related to design, specifications, and materials that are pertinent to specific items of equipment or component parts. Receives initial instructions, equipment requirement, and advice from supervisor or engineer as needed; performs recurring work independently.

Labor Categories	Education / Work Experience
Computer Systems Analyst II	Typically possesses two (2) years of college in a computer field and three (3) years of related experience or any equivalent combination of relevant education or experience for a total of five (5) years.
Computer Systems Analyst III	Typically possesses two (2) years of college in a computer field and four (4) years of related experience or any equivalent combination of relevant education or experience for a total of six (6) years.
Drafter / CAD Operator I	Typically possesses vocational school training certification or one (1) year of college with courses relevant to drafting or engineering principles, plus two (2) years of relevant experience. Additional relevant education may be substituted for the required experience.
Engineering Technician I	Typically possesses the ability to understand basic engineering terminology. College courses in engineering, mathematics, or science desirable.
Engineering Technician II	Typically possesses two (2) years of college with courses in engineering, mathematics or science, or two (2) years relevant experience, or any equivalent combination of relevant education/experience for a total of two (2) years. Has previous experience with computer terminals.
Engineering Technician III	Typically possesses two (2) years of college with courses in computer science, mathematics, or related engineering courses, plus two (2) years of related experience in data reduction and analysis, or any equivalent combination of relevant education and experience for a total of four (4) years.

	Labor Categories	Responsibilities/ Level of Supervision
Non-Exempt	Engineering Technician IV	Performs non-routine assignments of substantial variety and complexity, using operational precedents that are not fully applicable. Develops or reviews designs by extracting and analyzing a variety of engineering data. Conducts tests or experiments requiring selection and adaptation or modification of a wide variety of critical test equipment and test procedures; sets up and operates equipment; records data, measures and records problems of significant complexity that sometimes require resolution at a higher level; and analyzes data and prepares test reports. Applies methods outlined by others to limited segments of research and development projects; constructs experimental or prototype models to meet engineering requirements; conducts tests or experiments and redesigns as necessary; and records and evaluates data and reports findings. Receives technical advice from supervisor or engineer; work is reviewed for technical adequacy (or conformity with instructions).
Non-Exempt	Engineering Technician V	Designs, develop, and constructs major units, devices or equipment; conducts test or experiments; analyzes results and redesigns or modifies equipment to improve performance; and reports results. Using general guidelines and specifications, develops designs for equipment without critical performance requirements which are difficult to satisfy such as engine parts, research instruments, or special purpose circuitry. Analyzes technical data to determine applicability to design problems; selects from several possible design layouts; calculates design data; and prepares layouts, detailed specification, parts lists, estimate, procedures, etc. May check and analyze drawings or equipment to determine adequacy of drawings and design. Plans or assists in planning test to evaluate equipment performance. Determines test requirements, equipment modification, and test procedures; conducts tests using all types of instruments; analyzes and evaluates test results, and prepares reports on findings and recommendations. Supervisor or professional engineer outlines objectives,
Non-Exempt	Supply Technician	Performs limited aspects of technical supply management work (e.g., inventory management, storage management, cataloging, and property utilization) related to depot, local, or other supply activities. Work usually is segregated by commodity area or function, and controlled in terms of difficulty, complexity, or responsibility. Assignments usually relate to stable or standardized segments of technical supply management operations; or to functions or subjects that are narrow in scope or limited in difficulty.
CBA	Electrician*	Responsible for installation, operation, troubleshooting, maintenance and repair of electrical and control systems. Includes both facility and test related systems, which consist of power and electrical distribution components both Low and High Voltage (> 600V). Works as a member of test, project, and/or maintenance teams. Typically receives daily supervision from Lead, Engineering, or functional manager.
CBA	Electrician, Lead*	Responsible for installation, operation, troubleshooting, maintenance and repair of electrical and control systems. Includes both facility and test related systems, which consist of power and electrical distribution components both Low and High Voltage (> 600V). Works closely with Electrical Engineers and may provide minor design assistance. Works as a member of test, project, and/or maintenance teams. May lead other Electricians and provide technical direction or assignments. Typically receives daily supervision from engineering or functional manager.
CBA	Engineering Technician*	Responsible for a wide variety of engineering support tasks. Assists engineers of typically in the fields of electronics and mechanical and electrical engineering. Assists engineers in performing studies, designs, installations and checkouts and assist with. May perform troubleshooting, inspections, field verification and specialized maintenance, or installation work. May assist engineers in layout aspects of a design. Works as a member of test, project, maintenance or other support teams. Will typically have direct interaction with engineers, and/or test/project, facility, or functional managers. Typically receives supervision from Electrical or Mechanical Engineers, or functional manager.
CBA	Instrumentation Technician*	Responsible for installation, operation, calibration, troubleshooting, maintenance and repair of instrumentation systems. Includes both facility and test related systems which consist of measurement sensors / control devices, wiring, field interface panels, controllers, transducers, A/D converters, and associated human interface hardware / software. Works as a member of test, project, and/or maintenance teams. May operate facility/test instrumentation systems during aerospace tests. May be responsible for analyzing and evaluating test data for quality. Typically receives daily supervision from Lead, Engineering, or functional manager.

Labor Categories	Education / Work Experience
Engineering Technician IV	Typically possesses two (2) years of college with courses in computer science, mathematics, or other related engineering courses, plus four (4) years of related engineering experience with some expertise in formulating data for presentation. Additional relevant education may be substituted for a portion of the experience.
Engineering Technician V	Typically possesses two (2) years of college with course in engineering or associated discipline, and six (6) years of related experience. Position requires comprehensive knowledge of programs gained through long and varied work experience in field of specialty.
Supply Technician	Typically possesses vocational school training certification or one (1) year of college with courses and has a good working knowledge of the governing supply systems, programs, policies, nomenclature, work methods, manuals, or other established guidelines.
Electrician*	Journeyman Level with related education or work experience (typically 3 or more years) in electrical systems. Should have a thorough practical knowledge of electrical and/or control systems.
Electrician, Lead*	Journeyman Level with additional related education or work experience (typically 5 or more years) in electrical systems. Thorough practical knowledge of electrical and/or control systems and may have some theoretical background.
Engineering Technician*	May possess an A.A./A.S. General Engineering, Electronics or other related vocational program with entry level to 5 or more years of related experience. Additional years of related experience may count as educational equivalency. Typically has specialized technical knowledge or experience related to job duties at a practical level with some theoretical knowledge.
Instrumentation Technician*	Journeyman Level with related education or work experience (typically 3 or more years) in instrumentation or electronic systems. Thorough practical knowledge of instrumentation and/or electronic systems. May require some knowledge/experience of computerized DAS/Control systems.

	Labor Categories	Responsibilities/ Level of Supervision
CBA	Instrumentation Technician, Lead*	Responsible for installation, operation, calibration, troubleshooting, maintenance and repair of instrumentation systems. Includes both facility and test related systems which consist of measurement sensors / control devices, wiring, field interface panels, controllers, transducers, A/D converters, and associated human interface hardware / software. Works closely with Instrumentation / Controls Engineers and may provide minor design assistance. Works as a member of test, project, and/or maintenance teams. May operate facility/test instrumentation systems during aerospace tests. May be responsible for analyzing and evaluating test data for quality. May lead other Instrumentation Technicians and provide technical direction or assignments. Typically receives daily supervision from engineering or functional manager.
CBA	Mechanic*	Responsible for installation, operation, troubleshooting, maintenance and repair of mechanical systems. Includes both facility and test related systems, which consist of machinery, test apparatus/models and other mechanical equipment. May assist Operating Engineers in the operation of facilities. Works as a member of test, project and/or maintenance teams. Typically receives daily supervision from Lead, Engineering, or functional manager.
CBA	Mechanic, Lead*	Responsible for installation, operation, troubleshooting, maintenance and repair of mechanical systems. Includes both facility and test related systems, which consist of machinery, test apparatus/models and other mechanical equipment. May assist Operating Engineers in the operation of facilities. Works closely with Mechanical Engineers and may provide minor design assistance. Works as a member of test, project, and/or maintenance teams. May lead other machinists and provide technical direction or assignments. Typically receives daily supervision from engineering or functional manager.
CBA	Operating Engineer*	Responsible for operation of systems/facilities of high potential energy (electrical and/or mechanical). Includes both facility and test related systems. Performs stationary engineering duties for high pressure air and steam boiler systems. Operates central console systems to allow facilities to function. May perform some installation, troubleshooting, maintenance and repair activities if needed. Works closely with Test/Project Engineers and/or facility operators to coordinate operations. Works as a member of test and/or project teams. Typically receives daily supervision from Lead, Engineering, or functional manager.
CBA	Operating Engineer, Lead*	Responsible for operation of systems/facilities of high potential energy (electrical and/or mechanical). Includes both facility and test related systems. Performs stationary engineering duties for high pressure air and steam boiler systems. Operates central console systems to allow facilities to function. May perform some installation, troubleshooting, maintenance and repair activities if needed. Works closely with Test/Project Engineers and/or facility operators to coordinate operations. Works as a member of test and/or project teams. May lead other Operating Engineers and provide technical direction or assignments. Typically receives daily supervision from engineering or functional manager.

Labor Categories	Education / Work Experience
Instrumentation Technician, Lead*	Journeyman Level with additional related education or work experience (typically 5 or more years) in instrumentation systems. Thorough practical knowledge of instrumentation systems and may have some theoretical background. May require some knowledge/experience of computerized DAS/Control systems.
Mechanic*	Journeyman Level with related education or work experience (typically 3 or more years) in mechanical systems. Thorough practical knowledge of mechanical systems.
Mechanic, Lead*	Journeyman Level with additional related education or work experience (typically 5 or more years) in mechanical systems. Thorough practical knowledge of mechanical systems and may have some theoretical background.
Operating Engineer*	Journeyman Level with related education or work experience (typically 3 or more years) as an operating or stationary engineer. Thorough practical knowledge operating systems and facility components with some theoretical background. Some knowledge/experience with computerized operating systems.
Operating Engineer, Lead*	Journeyman Level with additional related education or work experience (typically 5 or more years) as an Operating or Stationary Engineer. Thorough practical knowledge operating systems and facility components and may have some theoretical background. Some knowledge/experience with computerized operating systems.